

OUTPUT 12

MEM. STRG. USED 02122

01450 THRU 01463
01500 THRU 03605

LUK	INSTR	L110	L0		
		0	INT2	PROG*1219B*FACT*0C1*67	
		1		REMARK*1219B FACT MODIFIED FRUM 1219 FACT	
		2		REMARK*INTEGRATED MEMORY TEST	
01450	46 1462	3	INT2	STRAU*INT21	SAVE ALL AND AL INPUT PARAMETERS
01451	44 1463	4		STRAL*INT22	
01452	76 1477	5	INT20	RJP*SIZE=1	EXECUTE CONTROL MEMORY TEST
01453	10 1462	6		ENTAU*INT21	
01454	12 1463	7		ENTAL*INT22	
01455	76 3677	10		RJP*MAIN=1	EXECUTE MAIN MEMORY TEST
01456	50 5620	11		STOP*20	KEY 4
01457	10 1462	12		ENTAU*INT21	
01460	12 1463	13		ENTAL*INT22	
01461	34 1452	14		JP*INT20	CONTINUE TEST
01462	00 0000	15	INT21	0*	
01463	00 0000	16	INT22	0*	
		17	SIZE	PROG*1219B*FACT*0C1*67	
		20		REMARK*1219B FACT MODIFIED FRUM 1219 FACT	
		21		REMARK*CONTROL MEMORY TEST	
01500	44 3114	22	SIZE	STRAL*ALPARM	SAVE INITIAL AL INPUT PARAMETER
01501	76 3512	23		RJP*TYPE	TYPT AND TYPIC SETUP
01502	12 3114	24		ENTAL*ALPARM	INITIAL AL INPUT PARAMETER
01503	65 1505	25		JPALP*LUK+2	NON N+1 BUFFER TERMINATION
01504	76 3565	26		RJP*IOSET	N+1 BUFFER TERMINATION SETUP
01505	12 3114	27		ENTAL*ALPARM	INITIAL AL INPUT PARAMETER
01506	52 3605	30		SLCL*K3	000001
01507	44 1523	31		STRAL*SIZE1	SAVE SIZE INDEX
01510	12 1530	32		ENTAL*SIZE4	SET UP MEMORY LIMITS
01511	14 1523	33		ADDAL*SIZE1	

DRAFT 737
01/01/63

REVISION Q

01512	44 1510	34	STRAL*SIZE6	
01513	12 1531	35	ENTAL*SIZE5	
01514	14 1523	36	ADDAL*SIZE1	
01515	44 1520	37	STRAL*SIZE7	
01516	12 1524	40	SIZE6	SET UP THE VALUE OF UPPFR LIMIT
01517	44 3102	41	ENTAL*SIZE2	SET UP THE MAIN MEMORY
01520	12 1526	42	STRAL*PAR1	
01521	44 1737	43	ENTAL*SIZE3	CHECKING SUBROUTINE
01522	34 1532	44	STRAL*CHEK4	
01523	00 0000	45	JP*CRANK	
			SIZE1	0*0
01524	00 0277	46	SIZE2	00*0277
01525	00 0677	47		00*0677
01526	34 1751	50	SIZE3	JP*CHEK5
01527	02 1756	51		CMAL*CHEK1
01530	12 1524	52	SIZE4	ENTAL*SIZE2
01531	12 1526	53		ENTAL*SIZE3
01532	50 5020	54	SIZE5	PROG*MUELLER*60CT ₀₁
		55	CRANK	CRANK
				SET KEY 4 TO SUPPRESS TYPEGUTS
01533	34 1535	56		JP*HEAD
01534	34 1546	57	HEAD	JP*TRACK
01535	30 1536	60		TYPT*\$CR\$CONTROL MEMORY TEST
01536	00 3115			
01537	76 4320			
01540	56 6462			
01541	20 5400			
01542	55 4555			
01543	20 6271			
01544	00 6445			
01545	63 6477			
01546	70 0001	61	TRACK	YES COUNT CYCLES
01547	14 1604	62		UP DATE COUNT
01550	44 1604	63	ADDAL*COUNT	
01551	02 1605	64	STRAL*COUNT	
01552	63 1777	65	CMAL*NUMB	FINISHED 10 CYCLES
			JPNOT*TEST	NO
01553	40 1604	66		YES CLEAR COUNT FOR NEW START
01554	() 5020	67	CL*COUNT	SET SKIP KEY 4 TO SUPPRESS TYPE/ }S
			SKP*20	

01555	34	1557	70	JP*LOK+2	
01556	34	1571	71	JP*PQXY	
01557	12	1606	72	ENTAL*BAER	CHECK ERROR FLAG
01560	63	1575	73	JPALNZ*RECYL	TYPEOUT RECYCLE
01561	30	1562	74	TYPT*\$CR\$OK, END CYCLES	
01562	00	3115			
01563	76	2053			
01564	14	0045			
01565	56	4400			
01566	43	7143			
01567	54	4563			
01570	77	7777			
01571	50	5604	75	POXY	STOP*#4 14
01572	50	5004	76		SKP*04
01573	55	1477	77		IJP*SIZE-1
01574	34	1546	100		JP*TRACK
01575	30	1576	101	RECYL	TYPT*\$CR\$RECYCLE
01576	00	3115			YES, SET STOP KEY FOR END OF TEST
01577	76	6245			SET SKIP 2 TO STAY INTEST
01600	43	7143			EXIT
01601	54	4577			NOT SET
01602	40	1606	102		
01603	34	1571	103		
01604	00	0000	104	COUNT	YES CLEAR ERROR FLAG
01605	00	0013	105	NUMB	CL*BAER
01606	00	0000	106	BAER	JP*PQXY
01607	00	0000	107	ERROUT	0*0
01607	00	0000	110	ERROUT	00*13
01607	00	0000	110		0*0
01610	72	1730	111		PROG*CASEY*8JUNE64
01611	50	7202	112		
01612	50	7310	113		SAVE ICR
01613	12	0002	114		SET R TO 2
01614	75	3113	115		
01615	44	1732	116		SAVE B2
01616	50	7310	117		
01617	12	0040	120		SAVE OUTPUT BUFFERS
					SB-1-10163
					REVISION
					F

01620	75	3113	121	STRSR*WHERE	
01621	44	1733	122	STRAL*ERRT2	
01622	50	7310	123	ENTSR*10	
01623	12	0041	124	ENTAL*0041	
01624	75	3113	125	STRSR*WHERE	
01625	44	1734	126	STRAL*ERRT3	
01626	30	1627	127	TYPT*\$CR\$ERROR	
01627	00	3115			
01630	76	4562			
01631	62	2062			
01632	77	7777			
01633	30	1634	130	TYPT*\$CR\$LAST ADDRESS 1ST ADDRESS CORRECT INCORRECT	
01634	00	3115			
01635	76	5441			
01636	63	6400			
01637	41	4444			
01640	62	4563			
01641	63	0021			
01642	63	6400			
01643	41	4444			
01644	62	4563			
01645	63	0043			
01646	20	6262			
01647	45	4364			
01650	00	5156			
01651	43	2062			
01652	62	4543			
01653	64	7777			
01654	70	7777	131	ENTALK*7777	ERROR SET
01655	44	1606	132	STRAL*BAER	ERROR FLAG
01656	30	1657	133	TYPC*\$CR\$*HERE* * * * * * THERE* * * * * * * *	
01657	00	3352			
01660	10	0076			
01661	60	3111			
01662	10	0000			
01663	10	0000			
01664	1()000			

01665	10	0000		
01666	10	0000		
01667	10	0000		
01670	60	3112		
01671	10	0000		
01672	10	0000		
01673	10	0000		
01674	10	0000		
01675	10	0000		
01676	10	0000		
01677	10	0000		
01700	10	0000		
01701	10	0000		
01702	00	0000		
01703	30	1704	134	TYPC*D1P* * * *D1P+1
01704	00	3352		
01705	60	3107		
01706	10	0000		
01707	10	0000		
01710	10	0000		
01711	60	3110		
01712	00	0000		
01713	50	5604	135	STOP*04
				STOP AFTER TYPEOUT
01714	12	1732	136	ENTAL*ERRT1
01715	50	7310	137	ENTSR*10
01716	44	0002	140	STRAL*0002
01717	75	3113	141	STRSR*WHERE
01720	12	1733	142	ENTAL*ERRT2
01721	50	7310	143	ENTSR*10
01722	44	0040	144	STRAL*0040
01723	75	3113	145	STRSR*WHERE
01724	12	1734	146	ENTAL*ERRT3
01725	50	7310	147	ENTSR*10
01726	44	0041	150	STRAL*0041
01727	75	3113	151	STRSR*WHERE
01730	50	7200	152	ENTICK*0
			SF	RESTORE B REG

01731	55 1607	153	IJP*ERRUUT	BACK
01732	00 0000	154	ERRT1	0*0
01733	00 0000	155	ERRT2	0*0
01734	00 0000	156	ERRT3	0*0
		157	CHEK	PROG*MUELLER*60CT6..
01735	00 0000	160	CHEK	0*0
01736	12 3101	161	ENTAL*PAR	
01737	02 1756	162	CMAL*CHEK1	
01740	63 1744	163	JPNOT*L0K+4	
01741	71 7677	164	ADDALK*7677	YES DECREMENT PAR BY 100
01742	44 3101	165	STRAL*PAR	RESTORE NEW INDEX
01743	55 1735	166	IJP*CHEK	EXIT
01744	02 1757	167	CMAL*CHEK2	IS PAR EQUAL TO 377
01745	63 1751	170	JPNOT*L0K+4	NO
01746	71 7677	171	ADDALK*7677	YES DECREMENT PAR BY 100
01747	44 3101	172	STRAL*PAR	RESTORE NEW INDEX
01750	55 1735	173	IJP*CHEK	EXIT
01751	02 1760	174	CMAL*CHEK3	IS PAR EQUAL TO 177
01752	63 1755	175	JPNOT*L0K+3	NO
01753	71 7677	176	ADDALK*7677	YES DECREMENT PAR BY 100
01754	44 3101	177	STRAL*PAR	RESTORE NEW INDEX
01755	55 1735	200	IJP*CHEK	EXIT
01756	00 0577	201	CHEK1	00*0577
01757	00 0377	202	CHEK2	00*0377
01760	00 0177	203	CHEK3	00*0177
01761	00 0000	204	PROOF	0*0
01762	12 3101	205	ENTAL*PAR	ENTER INDEX COUNT
01763	44 3112	206	STRAL*THERE	SAVE INDEX COUNT
01764	57 3101	207	ISK*PAR	KEEP CHECKING
01765	34 1770	210	JP*L0K+3	GO ON
01766	76 1607	211	RJP*ERROUT	ALL DONE
01767	55 1761	212	IJP*PROOF	GO BACK TO SR
01770	76 1735	213	RJP*CHEK	CHECK FOR WIRE AND MAIN MEMORY
01771	12 3101	214	ENTAL*PAR	ENTER CELL
01772	74 1773	215	STRADR*L0K+1	CONTENTS IN
01773	1 0000	216	ENTAL*0	AL

01774	02	3107	217		CMAL*DIP	IS IT CORRECT
01775	61	1766	220		JPEQ*PROOF+5	YES TYPEOUT ERRORS
01776	34	1762	221		JP*PROOF+1	NO CONTINUE PROOF SR
01777	12	3102	222	TEST	PROG*MUELLER*70CT6	
02000	44	3101	223	TEST	ENTAL*PAR1	SET UP
02001	12	3101	224		STRAL*PAR	INDEX COUNT
02002	74	2003	225		ENTAL*PAR	SET UP ADDRESS
02003	40	0000	226		STRADR*LOK+1	TO BE CLEARED
02004	57	3101	227		CL*0	SET ADDRESS TO ZERO
02005	34	2007	230		ISK*PAR	ALL SET TO ZERO
			231		JP*HDO	NO CONTINUE
02006	34	2011	232		JP*HOCK	YES CHECK FOR ZERO HOLD
02007	76	1735	233	HDO	RJP*CHEK	CHECK FOR WIRED AND MAIN MEMORY
02010	34	2001	234		JP*TEST+2	UP DATE ADDRESS
02011	12	3102	235	HOCK	ENTAL*PAR1	SET UP
02012	44	3101	236		STRAL*PAR	INDEX COUNT
02013	12	3101	237		ENTAL*PAR	SET UP ADDRESS
02014	74	2015	240		STRADR*LOK+1	TO BE CLEARED
02015	12	0000	241		ENTAL*0	ENTER ADDRESS INTO AL
02016	63	2024	242		JPALNZ*HOCK1	CURRENT NO GO TO ERROR DISPLAY
02017	57	3101	243		ISK*PAR	ALL CHECKED
02020	34	2022	244		JP*LOK+2	NO CONTINUE
02021	34	2041	245		JP*HD1	YES GO TO NEXT SR
02022	76	1735	246		RJP*CHEK	CHECK FOR WIRED AND MAIN MEMORY
02023	34	2013	247		JP*HOCK+2	UPDATE ADDRESS
02024	10	3103	250	HOCK1	ENTAU*PAT	ERROR CORRECT IN AL
02025	46	3107	251		STRAU*D1P	SAVE FOR TYPEOUT
02026	44	3110	252		STRAL*D1P+1	
02027	50	5601	253		STOP*01	SAVE FOR TYPEOUT
02030	12	3101	254		ENTAL*PAR	STOP KEY 0 FOR ERROR DISPLAY
02031	44	3111	255		STRAL*HERE	SET FAILING ADDRESS IN AL
02032	10	3103	256		ENTAU*PAT	SAVE ADDRESS
02033	50	5601	257		STOP*01	'000000
02034	50	5020	260		SKP*20	DISPLAY ADDRESS IN AL
02035	76	1761	261		RJP*PROOF	IS TYPEOUT SUPPRESSED
02036	50	5001	262		SKP*01	NO GO TO ERROR TYPEOUT
						SET SKIP KEY 0 TO REPEAT TEST

02037	34	2017	263	JP*HOCK+6	NOT SET CONTINUE TEST
02040	34	1777	264	JP*TEST	SET RECYCLE SR
			265	PRUG*MUELLER*70CT6,,	
02041	12	3102	266	HDL1 ENTAL*PAR1	SET UP
02042	44	3101	267	STRAL*PAR	INDEX COUNT
02043	12	3101	270	ENTAL*PAR	SET UP ADDRESS
02044	74	2046	271	STRADR*LOK+2	TO BE SET TO ONES
02045	12	3104	272	ENTAL*PAT1	ENTER PATTERN
02046	44	0000	273	STRAL*0	STORE ALL ONES PER CELL COUNT
02047	57	3101	274	ISK*PAR	ALL SET TO ONES
02050	34	2052	275	JP*HLD1	NO CONTINUE
02051	34	2054	276	JP*HICK	YES CHECK LOAD
02052	76	1735	277	RJP*CHEK	CHECK FOR WIRE AND MAIN MEMORY
02053	34	2043	300	JP*HD1+2	UPDATE ADDRESS
02054	12	3102	301	ENTAL*PAR1	SET UP
02055	44	3101	302	STRAL*PAR	INDEX COUNT
02056	12	3101	303	ENTAL*PAR	SET UP ADDRESS
02057	74	2060	304	STRADR*LOK+1	TO BE SET TO ONES
02060	12	0000	305	ENTAL*0	ENTER ADDRESS INTO AL
02061	02	3104	306	CMAL*PAT1	CHECK FOR CORRECT LOAD
02062	63	2070	307	JPNOT*HICK1	INCORRECT GO TO ERROR DISPLAY
02063	57	3101	310	ISK*PAR	CORRECT ARE ALL CHECKED
02064	34	2066	311	JP*LOK+2	NO CONTINUE
02065	34	2104	312	JP*HALT	YES GO TO NEXT SR
02066	76	1735	313	RJP*CHEK	CHECK FOR WIRED AND MAIN MEMORY
02067	34	2056	314	JP*HICK+2	UPDATE ADDRESS
02070	10	3104	315	ENTAU*PAT1	ERROR CORRECT IN AU
02071	46	3107	316	STRAU*DIP	SAVE FOR TYPEOUT
02072	44	3110	317	STRAL*DIP+1	SAVE FOR TYPEOUT
02073	50	5601	320	STOP*01	STOP KEY 0 FOR ERROR DISPLAY
02074	12	3101	321	ENTAL*PAR	SET FAILING ADDRESS IN AL
02075	44	3111	322	STRAL*HERE	SAVE ADDRESS
02076	50	5601	323	STUP*01	DISPLAY ADDRESS IN AL
02077	50	5020	324	SKP*20	IS TYPEOUT SUPPRESSED
02100	76	1761	325	RJP*PROOF	NO GO TO ERROR TYPEOUT
02101	50	5001	326	SKP*01	SET SKIP KEY 0 TO REPEAT TEST
02102	3	0063	327	JP*HICK+7	NOT SET CONTINUE TEST

SHEET 744
03-10-63

REVISION

1

02103	34 2041	330		JP*HD1	SET RECYCLE SR
		331	HALT	PROG*MUELLER*70CT68	
02104	12 3102	332	HALT	ENTAL*PAR1	
02105	44 3101	333		STRAL*PAR	
02106	12 3101	334		ENTAL*PAR	
02107	74 2111	335		STRADR*LOK+2	
02110	12 3105	336		ENTAL*PAL1	
02111	44 0000	337		STRAL*0	
02112	57 3101	340		ISK*PAR	
02113	34 2115	341		JP*ALT1	
02114	34 2117	342		JP*ATICK	
02115	76 1735	343	ALT1	RJP*CHEK	
02116	34 2106	344		JP*HALT+2	
02117	12 3102	345	ATICK	ENTAL*PAR1	
02120	44 3101	346		STRAL*PAR	
02121	12 3101	347		ENTAL*PAR	
02122	74 2123	350		STRADR*LOK+1	
02123	12 0000	351		ENTAL*0	
02124	02 3105	352		CMAL*PAL1	
02125	63 2133	353		JPNOT*ATICK1	
02126	57 3101	354		ISK*PAR	
02127	34 2131	355		JP*LOK+2	
02130	34 2147	356		JP*HALT0	
02131	76 1735	357		RJP*CHEK	
02132	34 2121	360		JP*ATICK+2	
02133	10 3105	361	ATICK1	ENTAU*PAL1	
02134	46 3107	362		STRAU*DIP	
02135	44 3110	363		STRAL*DIP+1	
02136	50 5601	364		STOP*01	
02137	12 3101	365		ENTAL*PAR	
02140	44 3111	366		STRAL*HERE	
02141	50 5601	367		STOP*01	
02142	50 5020	370		SKP*20	
02143	76 1761	371		RJP*PRUOF	
02144	50 5001	372		SKP*01	
02145	34 2126	373		JP*ATICK+7	

02146	34	2104	374		JP*HALT
			375	HALTO	PRUG*MUELLER*70CTb..
02147	12	3102	376	HALTO	ENTAL*PAR1
02150	44	3101	377		STRAL*PAR
02151	12	3101	400		ENTAL*PAR
02152	74	2154	401		STRADR*LOK+2
02153	12	3106	402		ENTAL*PAL0
02154	44	0000	403		STRAL*U
02155	57	3101	404		ISK*PAR
02156	34	2160	405		JP*ALTO
02157	34	2162	406		JP*ATOCK
02160	76	1735	407	ALTO	RJP*CHEK
02161	34	2151	410		JP*HALTO+2
02162	12	3102	411	ATOCK	ENTAL*PAR1
02163	44	3101	412		STRAL*PAR
02164	12	3101	413		ENTAL*PAR
02165	74	2166	414		STRADR*LOK+1
02166	12	0000	415		ENTAL*0
02167	02	3106	416		CMAL*PAL0
02170	63	2176	417		JPNOT*ATOCK1
02171	57	3101	420		ISK*PAR
02172	34	2174	421		JP*LOK+2
02173	34	2212	422		JP*WP1
02174	76	1735	423		RJP*CHEK
02175	34	2164	424		JP*ATOCK+2
02176	10	3106	425	ATOCK1	ENTAU*PAL0
02177	46	3107	426		STRAU*DIP
02200	44	3110	427		STRAL*DIP+1
02201	50	5601	430		STOP*01
02202	12	3101	431		ENTAL*PAR
02203	44	3111	432		STRAL*HERE
02204	50	5601	433		STOP*01
02205	50	5020	434		SKP*20
02206	76	1761	435		RJP*PROOF
02207	50	5001	436		SKP*01
02210	()	2171	437		JP*ATOCK+7

02211	34 2147	440		JP*HALT0	
		441	WP1	PROG*MUELLER*70CT6n	
02212	10 2243	442	WP1	ENTAU*WP5	MASK TO AU- WORST PATTERN
02213	12 3102	443		ENTAL*PAR1	SET UP
02214	44 3101	444		STRAL*PAR	INDEX COUNT
02215	12 3101	445	WP2	ENTAL*PAR	ADDRESS TO AL
02216	50 5400	446		SKPODD*00	IS ADDRESS PARITY ODD
02217	34 2221	447		JP*WP3	NO-WRITE PATTERN
02220	34 2232	450		JP*WP4	YES WRITE COMP PATTERN
02221	12 3101	451	WP3	ENTAL*PAR	SET UP
02222	74 2224	452		STRADR*LOK+2	ADDRESS
02223	12 2345	453		ENTAL*CKWP13	WRITE PATTERN
02224	44 0000	454		STRAL*0	
02225	57 3101	455		ISK*PAR	IS WRITE COMPLETED
02226	34 2230	456		JP*LOK+2	NO
02227	34 2244	457		JP*CKWP	YES-CHECK PATTERN
02230	76 1735	460		RJP*CHEK	CHEK FOR WIRED AND MAIN MEMORY
02231	34 2215	461		JP*WP2	CONTINUE
02232	12 3101	462	WP4	ENTAL*PAR	SET UP
02233	74 2235	463		STRADR*LOK+2	ADDRESS
02234	12 2346	464		ENTAL*CKWP14	WRITE COMP PATTERN
02235	44 0000	465		STRAL*0	
02236	57 3101	466		ISK*PAR	IS WRITE COMPLETED
02237	34 2241	467		JP*LOK+2	NO
02240	34 2244	470		JP*CKWP	YES-CHECK PATTERN
02241	76 1735	471		RJP*CHEK	CHECK FOR WIRED AND MAIN MEMORY
02242	34 2215	472		JP*WP2	CONTINUE
02243	00 0100	473	WP5	00*0100	PARITY MASK
02244	12 3102	474	CKWP	ENTAL*PAR1	SET UP
02245	44 3101	475		STRAL*PAR	INDEX COUNT
02246	10 2243	476	CKWP1	ENTAU*WP5	MASK TO AU
02247	12 3101	477		ENTAL*PAR	ADDRESS TO AL
02250	50 5400	500		SKPODD*00	IS ADDRESS PARITY ODD
02251	34 2253	501		JP*CKWP2	NO
02252	34 2270	502		JP*CKWP4	YES
02253	12 3101	503	CKWP2	ENTAL*PAR	SET UP

02211-02253

REVISION

P

02254	74 2255	504	STRADR*LOK+1	ADDRESS	
02255	12 0000	505	ENTAL*0	ENTER ADDRESS INTO AL	
02256	02 2345	506	CMAL*CKWP13	IS PATTERN CORRECT	
02257	61 2261	507	JPEQ*CKWP3	YES	
02260	34 2305	510	CKWP3	JP*AIR	NO
02261	57 3101	511		ISK*PAR	IS CHECK COMPLETED
02262	34 2264	512		JP*LOK+2	NO
02263	34 2266	513		JP*LOK+3	YES
02264	76 1735	514		RJP*CHEK	CHECK FOR WIRED AND MAIN MEMORY
02265	34 2246	515		JP*CKWP1	CONTINUE CHECK
02266	76 3050	516		RJP*FLUSH1	FLUSH CONTROL MEMORY
02267	34 2347	517	JP*CWP1	GO TO NEXT SR	
02270	12 3101	520	CKWP4	ENTAL*PAR	SET UP
02271	74 2272	521		STRADR*LOK+1	ADDRESS
02272	12 0000	522		ENTAL*0	ENTER ADDRESS INTO AL
02273	02 2346	523		CMAL*CKWP14	IS PATTERN CORRECT
02274	61 2276	524		JPEQ*CKWP5	YES
02275	34 2325	525		JP*AIR1	NO
02276	57 3101	526		ISK*PAR	IS CHECK COMPLETED
02277	34 2301	527	JP*LOK+2	NO	
02300	34 2303	530	CKWP5	JP*LOK+3	YES
02301	76 1735	531		RJP*CHEK	CHECK FOR WIRED AND MAIN MEMORY
02302	34 2246	532		JP*CKWP1	CONTINUE CHECK
02303	76 3050	533		RJP*FLUSH1	FLUSH CONTROL MEMORY
02304	34 2347	534		JP*CWP1	GO TO NEXT SR
02305	12 3101	535		PROG*MUELLER*70CT6..	SET UP INCORRECT
02306	74 2307	536		ENTAL*PAR	ADDRESS
		537	STRADR*LOK+1		
02307	12 0000	540	AIR	ENTAL*0	INCORRECT INTO AL
02310	10 2345	541		ENTAU*CKWP13	CORRECT INTO AU
02311	46 3107	542		STRAU*DIP	SAVE FOR TYPEOUT
02312	44 3110	543		STRAL*DIP+1	SAVE FOR TYPEOUT
02313	50 5601	544		STOP*01	ERROR STOP KEY 0 SET
02314	12 3101	545		ENTAL*PAR	FAILING ADDRESS INTO AL
02315	44 3111	546		STRAL*HERE	SAVE FOR TYPEOUT
02316	40 3112	547		STRAL*THERE	SAVE FOR TYPEOUT

02317	50	5601	550	STOP*01	SET STOP KEY 0 TO DISPLAY ADDRESS IN AL	
02320	50	5020	551	SKP*20	SET SKIP KEY 4 TO SUPPRESS TYPEOUT	
02321	76	1607	552	RJP*ERROUT	ERROR TYPEOUT	
02322	50	5001	553	SKP*01	SKIP KEY 0 TO REPEAT TEST	
02323	34	2261	554	JP*CKWP3	NOT SET CONTINUE	
02324	34	2212	555	JP*WP1	SET REPEAT	
02325	12	3101	556	AIR1	ENTAL*PAR	SET UP INCORRECT
02326	74	2327	557		STRADR*L0K+1	ADDRESS
02327	12	0000	560		ENTAL*0	INCORRECT INTO AL
02330	10	2346	561		ENTAU*CKWP14	CORRECT INTO AU
02331	46	3107	562		STRAU*DIP	SAVE FOR TYPEOUT
02332	44	3110	563		STRAL*DIP+1	SAVE FOR TYPEOUT
02333	50	5601	564		STOP*01	ERROR STOP KEY 0 SET
02334	12	3101	565		ENTAL*PAR	FAILING ADDRESS INTO AL
02335	44	3111	566		STRAL*HERE	SAVE FOR TYPEOUT
02336	44	3112	567		STRAL*THERE	SAVE FOR TYPEOUT
02337	50	5601	570		STOP*01	SET STOP KEY 0 TO DISPLAY ADDRESS
02340	50	5020	571		SKP*20	SET SKIP KEY 4 TO SUPPRESS TYPEOUT
02341	76	1607	572		RJP*ERROUT	ERROR TYPEOUT
02342	50	5001	573		SKP*01	SKIP KEY 0 TO REPEAT TEST
02343	34	2276	574		JP*CKWP5	NOT SET CONTINUE
02344	34	2212	575		JP*WP1	SET REPEAT
02345	00	0000	576	CKWP13	00*0000	
02346	77	7777	577	CKWP14	77*7777	
02347	10	2243	601	CWP1	PRUG*MUELLER*80CT6	
02350	12	3102	602		ENTAU*WP5	
02351	44	3101	603		ENTAL*PAR1	
02352	12	3101	604	CWP2	STRAL*PAR	
02353	50	5500	605		ENTAL*PAR	
02354	34	2356	606		SKPEVN*00	
02355	34	2367	607		JP*CWP3	
02356	12	3101	610	CWP3	JP*CWP4	
02357	74	2361	611		ENTAL*PAR	
02360	12	2345	612		STRADR*L0K+2	
02361	44	0000	613		ENTAL*CKWP13	
02362	57	3101	614		STRAL*0	
					15K*PAR	

THIS IS THE COMPLEMENTED
WORST PATTERN TEST

02363	34	2365	615		JP*LOK+2
02364	34	2400	616		JP*CCKWP
02365	76	1735	617		RJP*CHEK
02366	34	2352	620		JP*CWP2
02367	12	3101	621	CKWP4	ENTAL*PAR
02370	74	2372	622		STRADR*LOK+2
02371	12	2346	623		ENTAL*CKWP14
02372	44	0000	624		STRAL*0
02373	57	3101	625		ISK*PAR
02374	34	2376	626		JP*LOK+2
02375	34	2400	627		JP*CCKWP
02376	76	1735	630		RJP*CHEK
02377	34	2352	631		JP*CWP2
02400	12	3102	632	CCKWP	ENTAL*PAR1
02401	44	3101	633		STRAL*PAR
02402	10	2243	634		ENTAU*WP5
02403	12	3101	635		ENTAL*PAR
02404	50	5500	636		SKPEVN*00
02405	34	2407	637		JP*CCKWP2
02406	34	2424	640		JP*CCKWP4
02407	12	3101	641	CCKWP2	ENTAL*PAR
02410	74	2411	642		STRADR*LOK+1
02411	12	0000	643		ENTAL*0
02412	02	2345	644		CNAL*CKWP13
02413	61	2415	645		JP*Q*CCKWP3
02414	34	2441	646		JP*CAIR
02415	57	3101	647	CCKWP3	ISK*PAR
02416	34	2420	650		JP*LOK+2
02417	34	2422	651		JP*LOK+3
02420	76	1735	652		RJP*CHEK
02421	34	2402	653		JP*CCKWP1
02422	76	3050	654		RJP*FLUSH1
02423	34	2501	655		JP*RW
02424	12	3101	656	CCKWP4	ENTAL*PAR
02425	74	2426	657		STRADR*LOK+1
02426	12	0000	660		ENTAL*0

02427	02	2346	661	CHAL*CKWP14
02430	61	2432	662	JPEQ*CCKWP5
02431	34	2461	663	JP*CAIR1
02432	57	3101	664	CAIR1 CCKWP5 ISK*PAR
02433	34	2435	665	JP*LOK+2
02434	34	2437	666	JP*LOK+3
02435	76	1735	667	RJP*CHEK
02436	34	2402	670	JP*CCKWP1
02437	76	3050	671	RJP*FLUSH1
02440	34	2501	672	JP*RW
			673	PROG*MUELLER*70CT6..
02441	12	3101	674	CAIR CAIR ENTAL*PAR
02442	74	2443	675	STRADR*LOK+1
02443	12	0000	676	ENTAL*0
02444	10	2345	677	ENTAU*CKWP13
02445	46	3107	700	STRAU*DIP
02446	44	3110	701	STRAL*DIP+1
02447	50	5601	702	STOP*01
02450	12	3101	703	ENTAL*PAR
02451	44	3111	704	STRAL*HERE
02452	44	3112	705	STRAL*THERE
02453	50	5601	706	STOP*01
02454	50	5020	707	SKP*20
02455	76	1607	710	RJP*ERROUT
02456	50	5001	711	SKP*01
02457	34	2415	712	JP*CCKWP3
02460	34	2347	713	JP*CWP1
02461	12	3101	714	CAIR1 ENTAL*PAR
02462	74	2463	715	STRADR*LOK+1
02463	12	0000	716	ENTAL*0
02464	10	2346	717	ENTAU*CKWP14
02465	46	3107	720	STRAU*DIP
02466	44	3110	721	STRAL*DIP+1
02467	50	5601	722	STOP*01
02470	12	3101	723	ENTAL*PAR
02471	44	3111	724	STRAL*HERE

02472	44	3112	725		STRAL*THERE	
02473	50	5601	726		STOP*01	
02474	50	5020	727		SKP*20	
02475	76	1607	730		RJP*ERROUT	
02476	50	5001	731		SKP*01	
02477	34	2432	732		JP*CCKWF5	
02500	34	2347	733		JP*CWP1	
			734	RW	PROG*MUELLER*80CT6..	
02501	12	2605	735	RW	ENTAL*RW30	PRESTORE IMAGE
02502	44	2513	736		STRAL*RW21	STORAGE INSTRUCTIONS
02503	12	2606	737		ENTAL*RW31	
02504	44	2547	740		STRAL*RW22	
02505	12	3102	741		ENTAL*PAR1	SET UP INDEX COUNT
02506	44	3101	742		STRAL*PAR	
02507	12	3101	743	RW2	ENTAL*PAR	SET UP ADDRESS TO
02510	74	2512	744		STRADR*LOK+2	BE LOADED
02511	76	2607	745		RJP*RAN	GENERATE RANDOM NUMBER
02512	44	0000	746		STRAL*0	STORE PATTERN
02513	44	7000	747	RW21	STRAL*IMAGE	STORE IMAGE
02514	12	2513	750		ENTAL*RW21	ADVANCE IMAGE
02515	71	0001	751		ADDALK*0001	ADDRESS
02516	44	2513	752		STRAL*RW21	
02517	57	3101	753		ISK*PAR	IS PATTERN WRITTEN
02520	34	2522	754		JP*LOK+2	NO
02521	34	2524	755		JP*LOK+3	YES
02522	76	1735	756		RJP*CHEK	CHECK FOR WIRED AND CONTROL MEMORY
02523	34	2507	757		JP*RW2	CONTINUE
02524	12	3102	760		ENTAL*PAR1	
02525	44	3101	761		STRAL*PAR	READ EACH WORD IN
02526	12	3101	762	RW3	ENTAL*PAR	PATTERN 50 TIMES
02527	74	2532	763		STRADR*RW4	SET UP ADDRESS
02530	12	2603	764		ENTAL*RW10	TO BE READ
02531	44	2604	765		STRAL*RW11	PRESTORE WORD READ INDEX
02532	12	0000	766	RW4	ENTAL*0	
02533	57	2604	767		ISK*RW11	READ WORD
02534	7	2532	770		JP*RW4	IS WORD READ 50 TIMES
						NO CONTINUE TO READ

02535	57 3101	771	ISK*PAR	ALL WORDS READ 50 TIMES
02536	34 2540	772	JP*LOK+2	NO
02537	34 2542	773	JP*LOK+3	YES-VERIFY
02540	76 1735	774	RJP*CHEK	
02541	34 2526	775	JP*RW3	CONTINUE
02542	12 3102	776	ENTAL*PAR1	VERIFY NOW
02543	44 3101	777	STRAL*PAR	SET UP INDEX COUNT
02544	12 3101	1000	ENTAL*PAR	SET UP ADDRESS TO VERIFY
02545	74 2546	1001	STRADR*RW6	
02546	12 0000	1002	ENTAL*0	ENTER WORD
02547	02 7000	1003	CMAL*IMAGE	IS WORD CORRECT
02550	63 2561	1004	JPNOT*RW20	NO
02551	12 2547	1005	ENTAL*RW22	YES ADVANCE
02552	71 0001	1006	ADDALK*0001	COMPARISON ADDRESS
02553	44 2547	1007	STRAL*RW22	
02554	57 3101	1010	ISK*PAR	IS PATTERN COMPLETE
02555	34 2557	1011	JP*LOK+2	NO
02556	34 2622	1012	JP*LCON	YES
02557	76 1735	1013	RJP*CHEK	
02560	34 2544	1014	JP*RWS	CONTINUE
02561	12 2547	1015	ENTAL*RW22	ERROR DISPLAY
02562	74 2563	1016	STRADR*RW23	
02563	10 0000	1017	ENTAU*0	CORRECT INTO AU
02564	46 3107	1020	STRAU*DIP	SAVE FOR TYPEOUT
02565	12 3101	1021	ENTAL*PAR	
02566	74 2567	1022	STRADR*LOK+1	
02567	12 0000	1023	ENTAL*0	INCORRECT INTO AL
02570	44 3110	1024	STRAL*DIP+1	SAVE FOR TYPEOUT
02571	50 5601	1025	STOP*01	SET STOP FOR ERROR DISPLAY
02572	12 3101	1026	ENTAL*PAR	FAILING ADDRESS INTO AL
02573	44 3111	1027	STRAL*HERE	SAVE FOR TYPEOUT
02574	44 3112	1030	STRAL*THERE	SAVE FOR TYPEOUT
02575	50 5601	1031	STOP*01	SET STOP 0 TO DISPLAY FAILING ADDRESS
02576	50 5020	1032	SKP*20	SET SKIP 4 TO SUPPRESS TYPEOUT
02577	76 1607	1033	RJP*ERROUT	NOT SET TYPEOUT
02600	50 5001	1034	SKP*01	SET SKIP 0 TO REPEAT SR
02601	34 2551	1035	JF*RW7-3	

M66
WHEE
L04
63
W

REVISION

02602	34 2501	1036	JF*RW	SET REPEAT SR
02603	00 0050	1037	RW10	00*0050
02604	00 0050	1040	RW11	00*0050
02605	44 7000	1041	RW30	STRAL*IMAGE
02606	02 7000	1042	RW31	CMAL*IMAGE
		1043	RAN	PROG*CASEY*29JUNE6.
02607	34 0000	1044	RAN	JP*
02610	12 2620	1045	RAN1	ENTAL*RAN2
02611	24 2620	1046		MULAL*RAN2
02612	26 2621	1047		DIVA*RAN3
02613	62 2616	1050		JPAUNZ*RAN4
02614	44 2620	1051		STRAL*RAN2
02615	55 2607	1052		IJP*RAN
02616	46 2620	1053	RAN4	STRAU*RAN2
02617	55 2607	1054		IJP*RAN
02620	00 0703	1055	RAN2	00*0703
02621	37 7775	1056	RAN3	37*7775
02622	40 3047	1057	LC0N	CL*LPAT
02623	70 0020	1060	LC0NA	ENTALK*20
02624	44 3045	1061		STRAL*LACTR
02625	40 3046	1062	LC0NB	CL*LOOP
02626	76 3022	1063	LC0NC	RJP*LIMIT
02627	74 2631	1064		STRADR*LC0ND
02630	12 3047	1065		ENTAL*LPAT
02631	45 0000	1066	LC0ND	STRALB*0000
02632	56 3035	1067		BSK*L77
02633	34 2631	1070		JP*LC0ND
02634	12 3046	1071		ENTAL*LOOP
02635	10 1523	1072		ENTAU*SIZE1
02636	62 2642	1073		JPAUNZ*LC0NE
02637	02 3032	1074		CMAL*L01
02640	63 2644	1075		JPNOT*LC0NE1
02641	34 2647	1076		JP*LC0NF
02642	02 3033	1077	LC0NE	CMAL*L03
02643	61 2647	1100		JHE0*LC0NF
02644) 0001	1101	LC0NE1	ADDALK*1

02645	44 3046	1102		STRAL*LOOP	INCR LOOP CTR
02646	34 2626	1103		JP*LCONC	STORE INTO NEXT SEGMENT
02647	32 3045	1104	LCONF	ENTB*LACTR	SET B-INDEX WITH ADDR CTR
02650	40 3046	1105		CL*LOOP	INIT LOOP CTR=0
02651	10 3041	1106		ENTAU*L677	
02652	47 0000	1107	LCONG	STRAUB*0000	STORE NEW PATTERN
02653	12 3046	1110		ENTAL*LOOP	
02654	02 3034	1111		CMAL*L9	DONE 10 TIMES YET
02655	61 2661	1112		JPEQ*LCONH	YES=ENUF
02656	71 0001	1113		ADDALK*1	
02657	44 3046	1114		STRAL*LOOP	INCR LOOP CTR
02660	34 2652	1115		JF*LCONG	
02661	12 3047	1116	LCONH	ENTAL*LPAT	
02662	45 0000	1117		STRALB*0000	STORE GRIG PATTERN AGAIN
02663	40 3046	1120		CL*LOOP	INIT LOOP CTR=0
02664	76 3022	1121	LCONI	RJP*LINIT	INIT B,PICK UP INIT ADDR
02665	74 2667	1122		STRADR*LCONJ	SET ADDR FOR USE
02666	74 2677	1123		STRADR*LCONK	SET FOR POSSIBLE ERROR USE ALSO
02667	13 0000	1124	LCONJ	ENTALB*0000	PICK UP CELL VALUE
02670	02 3047	1125		CMAL*LPAT	SAME AS PATTERN STORED
02671	61 2754	1126		JPEQ*LCONM	YES
02672	10 3047	1127		ENTAU*LPAT	CORRECT DATA TO AU
02673	46 3043	1130		STRAU*LCORR	
02674	44 3044	1131		STRAL*LICORR	SAVE AU,AL FOR TYPEOUT
02675	50 5601	1132		STOP*01	STOP TO DISPLAY IF KEY 0
02676	42 3042	1133		STRB*LADD	SAVE ANDR BIAS
02677	70 0000	1134	LCONK	ENTALK*0000	BASE ADDR OF SEGMENT
02700	14 3042	1135		ADDAL*LADD	PLUS BIAS TO GET TRUE ADDR
02701	44 3042	1136		STRAL*LADD	SAVE ANDR FOR TYPEOUT
02702	50 5601	1137		STOP*01	STOP TO DISPLAY IF KEY 0
02703	50 5020	1140		SKP*020	SKIP 4 SET
02704	34 2706	1141		JP*LOK+2	NO
02705	34 2751	1142		JP*LCONL	YES=SUPPRESS TYPEOUT
02706	44 1606	1143		STRAL*BAER	SET ERROR FLAG WITH ADDR(NEVER 0)
02707	30 2710	1144		TYPT*\$CR\$ERROR\$CR\$ ADDRESS	
02710	00 3115				

02711 76 4562
02712 62 2062

02713 76 4144
02714 44 6245
02715 63 6335
02716 77 7777
02717 30 2720 1145
02720 00 3352
02721 60 3042
02722 00 0000

02723 30 2724 1146 TYPT* CORRECT=

02724 00 3115
02725 00 0000
02726 43 2062
02727 62 4543
02730 64 3577
02731 30 2732 1147
02732 00 3352

02733 60 3043
02734 00 0000
02735 30 2736 1150 TYPT* INCORRECT=

02736 00 3115
02737 00 0000
02740 51 5643
02741 20 6262
02742 45 4364

02743 35 7777
02744 30 2745 1151 TYPC*L1C0RR

02745 00 3352
02746 60 3044
02747 00 0000

02750 50 5604 1152
02751 50 5001 1153 LCONL STOP*04
02752 34 2754 1154 SKP*01
JP*L0K+2

02753 34 2622 1155 LCONM JP*LCON
02754 30 3035 1156 BSK*L77 YES-RECYCLE TEST
ALL CELLS IN SEGMENT CHECKED)

02 SHEET 756
3-10-63

REVISION

(

02755	34 2667	1157	JP*LCONN	NO
02756	12 3046	1160	ENTAL*LOOP	YES-PICK UP LOOP CTR
02757	10 1523	1161	ENTAU*SIZE1	128 WORD CONTROL
02760	62 2764	1162	JPAUNZ*LCONN	NO
02761	02 3032	1163	CMAL*L01	YES-LOOP CTR=1
02762	63 2766	1164	JPNOT*LCONN1	NO
02763	34 2771	1165	JP*LCONN0	YES-DONE CHECKING
02764	02 3033	1166	CMAL*L03	LOOP CTR=3
02765	61 2771	1167	JPEQ*LCONN0	YES-DONE CHECKING
02766	71 0001	1170	ADDALK*1	
02767	44 3046	1171	STRAL*LOOP	INCR Loop CTR
02770	34 2664	1172	JP*LCONN1	CHECK NEXT SEGMENT
02771	12 3045	1173	LCONN0	ADDRESS COUNTER
02772	02 3035	1174	CMAL*L77	END OF SEGMENT 1
02773	63 2776	1175	JPNOT*LCON01	NO
02774	70 0200	1176	ENTALK*200	YES-ADDR 200 STARTS SEG 2
02775	34 3013	1177	JP*LCON04	
02776	02 3037	1200	CMAL*L277	END OF SEGMENT 2
02777	63 3004	1201	JPNOT*LCON02	NO
03000	12 1523	1202	ENTAL*SIZE1	YES-128 WORD CONTROL
03001	61 3015	1203	JPALZ*LCONN	YES-DONE WITH THIS PATTERN
03002	70 0400	1204	ENTALK*400	NO-ADDR 400 STARTS SEG 3
03003	34 3013	1205	JP*LCON04	
03004	02 3040	1206	CMAL*L477	END OF SEGMENT 3
03005	63 3010	1207	JPNOT*LCON03	NO
03006	70 0600	1210	ENTALK*600	YES-ADDR 600 STARTS SEG 4
03007	34 3013	1211	JP*LCON04	
03010	02 3041	1212	CMAL*L677	END OF SEGMENT 4
03011	61 3015	1213	JPEQ*LCONN	YES-DONE WITH THIS PATTERN
03012	71 0001	1214	ADDALK*1	NO-INCR ADDR CTR BY 1
03013	44 3045	1215	STRAL*LACTR	MODIFY ADDR CTR
03014	34 2625	1216	JP*LCONN0	REPEAT, CHANGING NEW ADDR
03015	12 3047	1217	ENTAL*LPAT	PATTERN OF ZEROES USED
03016	63 3076	1220	JPALNZ*FLUSH	NO-THROUGH WITH TEST
03017	70 7777	1221	ENTALK*7777	YES
03020	44 3047	1222	STRAL*LPAT	RESET PATTERN STORE=777777

03021	34	2623	1223		JP*LCONA	RECYCLE WITH NEW PATTERN
03022	00	0000	1224	LINIT	0*0	LOOP CTR
03023	12	3046	1225		ENTAL*LOOP	IS 1,2, OR 3
03024	63	3027	1226		JPALNZ*LOK+3	IF 0, SET B=20 AND LEAVE AL=0
03025	36	0020	1227		ENTBK*20	EXIT
03026	55	3022	1230		IJP*LINIT	
03027	24	3036	1231		MULAL*L200	SET AL=200, 400, OR 600
03030	36	0000	1232		ENTBK*0	SET R=0
03031	55	3022	1233		IJP*LINIT	EXIT
03032	00	0001	1234	LG1	000001*	
03033	00	0003	1235	L03	000003*	
03034	00	0011	1236	L9	000011*	
03035	00	0077	1237	L77	000077*	
03036	00	0200	1240	L200	000200*	
03037	00	0277	1241	L277	000277*	
03040	00	0477	1242	L477	000477*	
03041	00	0677	1243	L677	000677*	
03042	00	0000	1244	LAD0	000000*	HOLDS ADDRESS FOR TYPEOUT
03043	00	0000	1245	LCORR	000000*	HOLDS CORRECT DATA FOR TYPEOUT
03044	00	0000	1246	LICORR	000000*	HOLDS INCORRECT DATA FOR TYPEOUT
03045	00	0000	1247	LACTR	000000*	ADDRESS COUNTER
03046	00	0000	1250	LOOP	000000*	LOOP COUNTER
03047	00	0000	1251	LPAT	000000*	PATTERN STORE
03050	00	0000	1252	FLUSH1	PROG*MUELLER*B0CT6	
03051	12	3102	1253	FLUSH1	0*0	SR ENTRANCE
03052	44	3101	1254		ENTAL*PAR1	SET CONTROL MEMORY TO ALL ONES
03053	12	3101	1255		STRAL*PAR	SET UP INDEX COUNT
03054	74	3056	1257		ENTAL*PAR	
03055	12	3104	1260		STRADR*LOK+2	
03056	44	0000	1261		ENTAL*PAT1	
03057	57	3101	1262		STRAL*0	SET ADDRESS TO ONES
03060	34	3062	1263		ISK*PAR	THROUGH
03061	34	3064	1264		JP*LOK+2	NO
03062	76	1735	1265		JP*LOK+3	YES-NOW CLEAR MEMORY
03063	34	3053	1266		RJP*CHEK	
03064	11)102	1267		JP*FLUSH1+3	CONTINUE
					ENTAL*PAR1	SET CONTROL MEMORY TO ALL ZEROS)

03065	44	3101	1270		STRAL*PAR	SET UP INDEX COUNT
03066	12	3101	1271	FLUSH2	ENTAL*PAR	
03067	74	3070	1272		STRADR*L0K+1	
03070	40	0000	1273		CL*0	SET ADDRESS TO ZEROES
03071	57	3101	1274		ISK*PAR	THRUUGH
03072	34	3074	1275		JP*L0K+2	NO
03073	55	3050	1276		IJP*FLUSH1	YES EXIT
03074	76	1735	1277		RJP*CHEK	
03075	34	3066	1300	FLUSH	JP*FLUSH2	CONTINUE
03076	76	3050	1301		PROG*MUELLER*80CT6	FLUSH CONTROL MEMORY
03077	50	5602	1302	FLUSH	RJP*FLUSH1	SET STOP KEY1 TO STOP TEST
03100	34	1546	1303		STOP*02	
03100	34	1546	1304		JP*TRACK	
03101	00	0000	1305	PAR	PROG*MUELLER	8 OCT 64
03101	00	0000	1306	PAR	0*0	
03102	00	0000	1307	PAR1	0*0	
03103	00	0000	1310	PAT	00*0000	
03104	77	7777	1311	PAT1	77*7777	
03105	52	5252	1312	PAL1	52*5252	
03106	25	2525	1313	PAL0	25*2525	
03107	00	0000	1314	DIP	00*0000	
03110	00	0000	1315		00*0000	
03111	00	0000	1316	HERE	00*0000	
03112	00	0000	1317	THERE	00*0000	
03113	00	0000	1320	WHERE	0*0	
03114	00	0000	1321	ALPARM	0*	
03115	00	0000	1322	TYPT	REMARK*TYPT FOR 1200 OR 530	
03116	75	3157	1323		0*	
03117	46	3206	1324		STRSR*TSPT20	
03120	44	3207	1325		STRAU*TSPT3	
03121	42	3210	1327		STRAL*TSPT4	
03122	70	0003	1330		STRB*TSPT5	
03123	76	3171	1331		EI-TALK*3	
03124	32	3115	1332	TSPT1	RUF*TSPT12	
03125	37	0001	1333		ENTR*TYPT	
					ENTBK*1	

03126	42	3115	1334	STRR*TYPT	
03127	50	7310	1335	ENTSR*10	
03130	11	0000	1336	ENTAUB*0	
03131	50	7306	1337	ENTSR*0	
03132	36	0002	1340	ENTBK*2	
03133	70	0000	1341	ENTALK*0	
03134	50	4706	1342	LSHA*6	
03135	02	3211	1343	CMAL*T\$PT6	
03136	61	3150	1344	JPEQ*T\$PT22	
03137	71	0040	1345	RNOOP	ADDALK*40
03140	02	3247	1346		CMAL*M136
03141	63	3145	1347		JPNOT*L0K+4
03142	70	0015	1350		ENTALK*15
03143	76	3162	1351		RJP*T\$PT7
03144	70	0012	1352		ENTALK*12
03145	76	3162	1353		RJP*T\$PT7
03146	73	3133	1354	T\$PT21	BJP*T\$PT2
03147	54	3124	1355		JP*T\$PT1
03150	70	0001	1356	T\$PT22	ENTALK*1
03151	76	3171	1357		RJP*T\$PT12
03152	14	3115	1360		ADDAL*TYPT
03153	44	3115	1361		STRAL*TYPT
03154	10	3206	1362		ENTAU*T\$PT3
03155	12	3207	1363		ENTAL*T\$PT4
03156	32	3210	1364		ENTR*T\$PT5
03157	50	7300	1365	T\$PT20	ENTSR*0
03160	76	3200	1366		RJP*T\$PT13
03161	55	3115	1367		IJP*TYPT
03162	00	0000	1370	T\$PT7	0*
03163	76	3200	1371		RJP*T\$PT13
03164	44	3213	1372		STRAL*T\$PT11
03165	50	1200	1373	T\$1	BUFOUT*CHAN*AD*1*T\$PT11
03166	00	3213			
03167	00	3213			
03170	55	3162	1374	T\$PT7	
03171	()	0000	1375	T\$PT12	0*

03172	76	3200	1376	RJP*T\$PT13	
03173	44	3213	1377	STRAL*T\$PT11	
03174	50	1300	1400	T\$2 EXFCT*CHAN*AD*1*T\$..T11	
03175	00	3213			
03176	00	3213			
03177	55	3171	1401	IJP*T\$PT12	
03200	00	0000	1402	T\$PT13 0*	
03201	50	2300	1403	T\$3 SKPFIIN*CHAN	
03202	34	3201	1404	JP*LOK-1	
03203	50	2200	1405	T\$4 SKPOIN*CHAN	
03204	34	3203	1406	JP*LOK-1	
03205	55	3200	1407	IJP*T\$PT13	
03206	00	0000	1410	T\$PT13 0*	
03207	00	0000	1411	T\$PT4 0*	
03210	00	0000	1412	T\$PT5 0*	
03211	00	0077	1413	T\$PT6 77*	
03212	00	0136	1414	T\$PT61 0*136	
03213	00	0000	1415	T\$PT11 0*	
03214	00	0000	1416	CONVER 0*	
03215	42	3244	1417	STR8*COUNTR	
03216	36	0000	1420	ENTRK*0	
03217	71	0040	1421	ADDALK*40	ADD ASCII BIAS
03220	02	3247	1422	CHAL*M136	CR-LF
03221	63	3226	1423	JPNOT*LOK+5	NO
03222	70	0004	1424	ENTALK*4	CR
03223	76	3162	1425	RJP*T\$PT7	
03224	70	0003	1426	ENTALK*3	LF
03225	34	3242	1427	JP*CONV3	
03226	44	3250	1430	STRAL*MDUM	
03227	13	3251	1431	ENTALKB*CONST	
03230	52	3245	1432	SLCL*CT177	
03231	50	4211	1433	RSHAL*9D	
03232	02	3250	1434	CHAL*MDUM	
03233	61	3240	1435	JPEQ*CONV2	
03234	56	3246	1436	BSK*M76	
03235	34	3227	1437	JP*CONV1	

03236	12	3250	1440	ENTAL*MDUM
03237	50	5640	1441	STUP*40
03240	13	3251	1442	CONV2 ENTALB*CONST
03241	52	3211	1443	SLCL*TSPT6
03242	32	3244	1444	ENTB*COUNTR
03243	55	3214	1445	1JP*CONVER
03244	00	0000	1446	COUNTR 0*
03245	17	7000	1447	CT177 177000*
03246	00	0100	1450	M76 000100*
03247	00	0136	1451	M136 000136*
03250	00	0000	1452	MDUM 0*
03251	10	1006	1453	CONST 101006*
03252	10	2007	1454	102007*
03253	10	3010	1455	103010*
03254	10	4011	1456	104011*
03255	10	5012	1457	105012*
03256	10	6013	1460	106013*
03257	10	7014	1461	107014*
03260	11	0015	1462	110015*
03261	11	1016	1463	111016*
03262	11	2017	1464	112017*
03263	11	3020	1465	113020*
03264	11	4021	1466	114021*
03265	11	5022	1467	115022*
03266	11	6023	1470	116023*
03267	11	7024	1471	117024*
03270	12	0025	1472	120025*
03271	12	1026	1473	121026*
03272	12	2027	1474	122027*
03273	12	3030	1475	123030*
03274	12	4031	1476	124031*
03275	12	5032	1477	125032*
03276	12	6033	1500	126033*
03277	12	7034	1501	127034*
03300	13	0035	1502	130035*
03301	13	1036	1503	131036*
03302	13	2037	1504	132037*

03303	01	5004	1505	015004*
03304	01	2003	1506	012003*
03305	13	7076	1507	137076*
03306	05	2050	1510	052050*
03307	04	7072	1511	047072*
03310	05	6075	1512	056075*
03311	04	0005	1513	040005*
03312	17	7077	1514	177077*
03313	06	0060	1515	060060*
03314	06	1061	1516	061061*
03315	06	2062	1517	062062*
03316	06	3063	1520	063063*
03317	06	4064	1521	064064*
03320	06	5065	1522	065065*
03321	06	6066	1523	066066*
03322	06	7067	1524	067067*
03323	07	0070	1525	070070*
03324	07	1071	1526	071071*
03325	05	0051	1527	050051*
03326	05	1040	1530	051040*
03327	05	3042	1531	053042*
03330	05	4056	1532	054056*
03331	05	5041	1533	055041*
03332	05	7074	1534	057074*
03333	07	2053	1535	072053*
03334	07	3073	1536	073073*
03335	07	4043	1537	074043*
03336	07	5044	1540	075044*
03337	07	6045	1541	076045*
03340	07	7054	1542	077054*
03341	10	0057	1543	100057*
03342	04	4047	1544	044047*
03343	05	2050	1545	052050*
03344	13	5046	1546	135046*
03345	13	4001	1547	134001*
03346	04	5002	1550	045002*

03347	04	2052	1551	042052*
03350	04	1055	1552	041055*
03351	13	0050	1553	136050*
			1554	REMARK*TYP C FOR 12-2 OR 1532
03352	00	0000	1555	0*
03353	75	3443	1556	STRSR*T\$PC20
03354	46	3445	1557	STRAU*T\$PC12
03355	44	3446	1560	STRAL*T\$PC13
03356	42	3447	1561	STRB*T\$PC14
03357	70	0003	1562	ENTALK*3
03360	76	3474	1563	RJP*T\$PC24
03361	32	3352	1564	ENTB*TYP C
03362	37	0001	1565	ENTBKB*1
03363	42	3352	1566	STRB*TYP C
03364	50	7310	1567	ENTSR*10
03365	11	0000	1570	ENTAUB*0
03366	50	7300	1571	ENTSR*0
03367	70	0000	1572	ENTALK*0
03370	50	4703	1573	LSHA*3
03371	61	3435	1574	JPALZ*T\$PC11
03372	44	3450	1575	STRAL*T\$PC15
03373	32	3450	1576	ENTB*T\$PC15
03374	35	3374	1577	JPD*T\$PC2
03375	34	3412	1600	JF*T\$PC3
03376	34	3424	1601	JP*T\$PC4
03377	34	3430	1602	JP*T\$PC6
03400	34	3426	1603	JP*T\$PC5
03401	34	3432	1604	JP*T\$PC7
03402	70	0000	1605	ENTALK*0
03403	50	4717	1606	LSHA*17
03404	44	3450	1607	STRAL*T\$PC15
03405	32	3450	1610	ENTB*T\$PC15
03406	50	7310	1611	ENTSR*10
03407	11	0000	1612	ENTAUB*0
03410	50	7300	1613	ENTSR*0
03411	34	3433	1614	JP*T\$PC10

SHEET 764
S2-10163

REVISION

Q

03412	70	0000	1615	T\$PC3	ENTALK*0
03413	50	4717	1616		LSHA*15D
03414	61	3422	1617		JPALZ*T\$PCSP
03415	70	0015	1620	T\$\$S\$1	ENTALK*15
03416	76	3463	1621		RJP*T\$PC21
03417	70	0012	1622	T\$\$S\$2	ENTALK*12
03420	76	3463	1623		RJP*T\$PC21
03421	34	3361	1624		JP*T\$PC1
03422	70	0040	1625	T\$PCSP	ENTALK*40
03423	34	3420	1626		JP*LOK-3
03424	10	3445	1627	T\$PC4	ENTAU*T\$PC12
03425	76	3451	1630		RJP*T\$PC16
03426	10	3446	1631	T\$PC5	ENTAU*T\$PC13
03427	34	3433	1632		JP*T\$PC10
03430	10	3445	1633	T\$PC6	ENTAU*T\$PC12
03431	34	3433	1634		JP*T\$PC10
03432	10	3447	1635	T\$PC7	ENTAU*T\$PC14
03433	76	3451	1636	T\$PC10	RJP*T\$PC16
03434	34	3361	1637		JP*T\$PC1
03435	70	0001	1640	T\$PC11	ENTALK*1
03436	14	3352	1641		ADDAL*TYPC
03437	44	3352	1642		STRAL*TYPC
03440	10	3445	1643		ENTAU*T\$PC12
03441	12	3446	1644		ENTAL*T\$PC13
03442	32	3447	1645		ENTB*T\$PC14
03443	50	7300	1646	T\$PC20	ENTSR*0
03444	55	3352	1647		IJP*TYPC
03445	00	0000	1650	T\$PC12	0*
03446	00	0000	1651	T\$PC13	0*
03447	00	0000	1652	T\$PC14	0*
03450	00	0000	1653	T\$PC15	0*
03451	00	0000	1654	T\$PC16	0*
03452	70	0005	1655		ENTALK*5
03453	44	3450	1656		STRAL*T\$PC15
03454	70	0000	1657	T\$PC17	ENTALK*0
03455	50	4703	1660		LSHA*3

CONV 6 UCT DIGITS TO KYBD CD-TYPE

CONVERT-TYPE 6 OCT DIGITS

卷之三

REVISION

3

03456	71 0060	1661	ADDALK*60	MAKE FIELD DATA DIGIT
03457	76 3463	1662	RJP*T\$PC21	TYPE IT
03460	57 3450	1663	ISK*T\$PC15	ARE & TYPED
03461	34 3454	1664	JP*T\$PC17	NO
03462	55 3451	1665	IJP*T\$PC16	YES
03463	00 0000	1666	T\$PC21	SEND KYBD CODE IN AL
03464	76 3504	1667	0*	
03465	44 3473	1670	RJP*T\$PC25	
03466	50 1200	1671	STRAL*T\$PC23	
03467	00 3473		BUFOUT*CHAN*AD*1*T\$PC23	
03470	00 3473		RJP*T\$PC25	
03471	76 3504	1672	IJP*T\$PC21	
03472	55 3463	1673	0*	
03473	00 0000	1674	T\$PC23	0*
03474	00 0000	1675	T\$PC24	DU KYBD FCT CODE
03475	76 3504	1676	RJP*T\$PC25	
03476	44 3473	1677	STRAL*T\$PC23	
03477	50 1300	1700	EXFCT*CHAN*AD*1*T\$PC23	
03500	00 3473		RJP*T\$PC25	
03501	00 3473		IJP*T\$PC24	
03502	76 3504	1701	0*	WAIT ON ACT FCT-DATA BUFS
03503	55 3474	1702	T\$PC25	
03504	00 0000	1703	SKPFIN*CHAN	
03505	50 2300	1704	T\$S\$3	
03506	34 3505	1705	JP*LOK-1	
03507	50 2200	1706	T\$S\$4	SKPOIN*CHAN
03510	34 3507	1707	JP*LOK-1	
03511	55 3504	1710	IJP*T\$PC25	
		1711	REMARK*INSERT SELECTED I/O CHANNEL NUMBER	
		1712	REMARK*IN ALL I/O COMMANDS.	
		1713	REMARK*MODIFIED FOR 1232/1532 INTERCHANGE	
03512	00 0000	1714	TYPE	0*
03513	12 3114	1715	ENTAL*ALPARM	INITIAL AL INPUT PARAMETER
03514	50 4203	1716	RSHAL*3	CHANNEL NO. TO BITS 5-0
03515	52 3603	1717	SLCL*K1	000047
03516	10 3604	1720	ENTAU*K2	777700

03517	04	3165	1721	SLSU*T\$1	
03520	44	3165	1722	STRAL*T\$1	
03521	04	3174	1723	SLSU*T\$2	
03522	44	3174	1724	STRAL*T\$2	
03523	04	3201	1725	SLSU*T\$3	
03524	44	3201	1726	STRAL*T\$3	
03525	04	3203	1727	SLSU*T\$4	
03526	44	3203	1730	STRAL*T\$4	
03527	04	3466	1731	SLSU*T\$4\$1	
03530	44	3466	1732	STRAL*T\$4\$1	
03531	04	3477	1733	SLSU*T\$4\$2	
03532	44	3477	1734	STRAL*T\$4\$2	
03533	04	3505	1735	SLSU*T\$4\$3	
03534	44	3505	1736	STRAL*T\$4\$3	
03535	04	3507	1737	SLSU*T\$4\$4	
03536	44	3507	1740	STRAL*T\$4\$4	
03537	12	3114	1741	ENTAL*ALPARM	INITIAL AL INPUT PARAMETER
03540	50	4612	1742	LSHAL*10D	1232/1532 BIT TO BIT 0
03541	52	3605	1743	SLCL*K3	000001
03542	74	3543	1744	STRADR*LOK+1	
03543	36	0000	1745	ENTBK*0	B IS 0 FOR 1232, 1 FOR 1532
03544	13	3555	1746	ENTALB*TYPE1	TABLE OF MODIFIED INSTRUCTIONS
03545	44	3137	1747	STRAL*RN0OP	
03546	13	3557	1750	ENTALB*TYPE1+2	
03547	44	3415	1751	STRAL*T\$4\$1	
03550	13	3561	1752	ENTALB*TYPE1+4	
03551	44	3417	1753	STRAL*T\$4\$2	
03552	13	3563	1754	ENTALB*TYPE1+6	
03553	44	3422	1755	STRAL*T\$PCSP	
03554	55	3512	1756	IJP*TYPE	
		1757		REMARK*TABLE OF 1232/1532 MODIFIED INSTRUCTIONS	
03555	76	3214	1760	IJP*CONVER	1232
03556	71	0040	1761	ADDALK*40	1532
03557	70	0004	1762	ENTALK*04	1232
03560	70	0015	1763	ENTALK*15	1532
03561	70	0003	1764	ENTALK*03	1232
03562	70	0012	1765	ENTALK*12	1532

03563	70 0005	1766	ENTALK*05	1232
03564	70 0040	1767	ENTALK*40	1532
		1770	REMARK*MODIFY OUTPUT AND EXP BUFFERS FOR N+1 TERMINATION	
03565	00 0000	1771	0*	
03566	12 3167	1772	ENTAL*T\$1+2	
03567	71 0001	1773	ADDALK*1	
03570	44 3166	1774	STRAL*T\$1+1	
03571	12 3176	1775	ENTAL*T\$2+2	
03572	71 0001	1776	ADDALK*1	
03573	44 3175	1777	STRAL*T\$2+1	
03574	12 3470	2000	ENTAL*T\$1+2	
03575	71 0001	2001	ADDALK*1	
03576	44 3467	2002	STRAL*T\$1+1	
03577	12 3501	2003	ENTAL*T\$2+2	
03600	71 0001	2004	ADDALK*1	
03601	44 3500	2005	STRAL*T\$2+1	
03602	55 3565	2006	IJP*IOSET	
03603	00 0037	2007	K1 000037*	
03604	77 7700	2010	K2 777700*	
03605	00 0001	2011	K3 000001*	
		2012	ENDATA*	

LABELS AND ADDRESSES

AIR	02305	AIR1	02325	ALPARM	0314	ALTO	02160	ALT1	02115
ATOCK	02162	ATOCK1	02176	ATICK	0217	ATICK1	02133	BAER	01606
CUNST	03251	CONV1	03227	CONV2	03240	CONV3	03242	CONVER	03214
COUNT	01604	COUNT_R	03244	CAIR	02441	CAIR1	02461	CCKWP	02400
CCKWP1	02402	CCKWP2	02407	CCKWP3	02445	CCKWP4	02424	CCKWP5	02432
CHAN	00000	CHEK	01735	CHEK1	01746	CHEK2	01757	CHEK3	01760
CHEK4	01737	CHEK5	01751	CKWP	02244	CKWP1	02246	CKWP13	02345
CKWP14	02346	CKWP2	02253	CKWP3	02241	CKWP4	02270	CKWP5	02276
CRANK	01532	CT177	03245	CWP1	02347	CWP2	02352	CWP3	02356
CWP4	02367	DIP	03107	ERROUT	01607	ERRT1	01732	ERRT2	01733
ERRT3	01734	FLUSH	03076	FLUSH1	03050	FLUSH2	03066	HOCK	02011
HUCK1	02024	HALT	02104	HALT0	02147	HDO	02007	HD1	02041
HEAD	01535	HERE	03111	HICK	02054	HICK1	02070	HLD1	02052
I0SET	03565	IMAGE	07000	INT2	01450	INT20	01452	INT21	01462
INT22	01463	K1	03603	K2	03604	K3	03605	L00P	03046
L01	03032	L03	03033	L200	03036	L277	03037	L477	03040
L677	03041	L77	03035	L9	03034	LACTR	03045	LADD	03042
LC0N	02622	LC0NO	02771	LC0NO1	02776	LC0NO2	03004	LC0NO3	03010
LC0NO4	03013	LC0NA	02623	LC0NB	02625	LC0NC	02626	LC0ND	02631
LC0NE	02642	LC0NE1	02644	LC0NF	02647	LC0NG	02652	LC0NH	02661
LC0NI	02664	LC0NJ	02667	LC0NK	02677	LC0NL	02751	LC0NM	02754
LC0NN	02764	LC0NN1	02706	LC0NP	03015	LC0RR	03043	LC0RR	03044
LINIT	03022	LPAT	03047	M136	03247	M76	03246	MAIN	03700
M0UM	03250	NUMB	01605	PAL0	03106	PAL1	03105	PAR	03101
PAR1	03102	PAT	03103	PAT1	03104	POXY	01571	PROOF	01761
RAN	02607	RAN1	02610	RAN2	02620	PAN3	02621	RAN4	02616
RECYL	01575	RN00P	03137	Rw	02501	Rw10	02603	RW11	02604
Rw2	02507	RW20	02561	Rw21	02513	Rw22	02547	RW23	02563
Rw3	02526	RW30	02605	Rw31	02606	RW4	02532	RW5	02544
Rw6	02546	RW7	02554	SF	01730	SIZE	01500	SIZE1	01523
SIZE2	01524	SIZE3	01526	SIZE4	01530	SIZE5	01531	SIZE6	01516
SIZE7	01520	T\$##1	03415	T\$##2	03417	T\$##1	03466	T\$##2	03477
T\$#3	03505	T\$##4	03507	T\$1	03165	T\$2	03174	T\$3	03201
T\$#4	03203	T\$PC1	03301	T\$PC10	03433	T\$PC11	03435	T\$PC12	03445

PAGE 034

T\$PC13	03446	T\$PC1	03447	T\$PC15	03450	T\$PC16	03451	T\$PC17	03454
T\$PC2	03374	T\$PC20	03443	T\$PC21	03463	T\$PC23	03473	T\$PC24	03474
T\$PC25	03504	T\$PC3	03412	T\$PC4	03424	T\$PC5	03426	T\$PC6	03430
T\$PC7	03432	T\$PC5	03422	T\$PT1	03124	T\$PT11	03213	T\$PT12	03171
T\$PT13	03200	T\$PT2	03133	T\$PT20	03127	T\$PT21	03146	T\$PT22	03150
T\$PT3	03206	T\$PT4	03207	T\$PT5	03210	T\$PT6	03211	T\$PT61	03212
T\$PT7	03162	TEST	01777	THERE	03112	TRACK	01546	TYPC	03352
TYPE	03512	TYPE1	03555	TYPT	03115	WHERE	03113	WP1	02212
WP2	02215	WP3	02221	WP4	02222	WP5	02243		

SHEET 765.5 .REVISION
SE-10163

D